

§ 116.100

- 116.405 General arrangement and outfitting.
- 116.415 Fire control boundaries.
- 116.422 Ceilings, linings, trim, interior finish and decorations.
- 116.423 Furniture and furnishings.
- 116.425 Deck coverings.
- 116.427 Fire load of accommodation and service spaces.
- 116.430 Insulation other than for structural fire protection.
- 116.433 Windows and air ports in fire control boundaries.
- 116.435 Doors.
- 116.438 Stairtowers, stairways, ladders, and elevators.
- 116.439 Balconies.
- 116.440 Atriums.

Subpart E—Escape and Embarkation Station Requirements

- 116.500 Means of escape.
- 116.510 Embarkation stations.
- 116.520 Emergency evacuation plan.
- 116.530 Fire control plan.

Subpart F—Ventilation

- 116.600 Ventilation of enclosed and partially enclosed spaces.
- 116.610 Ventilation ducts.
- 116.620 Ventilation of machinery and fuel tank spaces.

Subpart G—Crew Spaces

- 116.700 General requirements.
- 116.710 Overnight accommodations.
- 116.730 Crew accommodations on vessels of more than 19.8 meters (65 feet) in length with overnight accommodations for more than 49 passengers.

Subpart H—Passenger Accommodations

- 116.800 General requirements.
- 116.810 Overnight accommodations.
- 116.820 Seating.

Subpart I—Rails and Guards

- 116.900 Deck rails.
- 116.920 Storm rails.
- 116.940 Guards in vehicle spaces.
- 116.960 Guards for exposed hazards.
- 116.970 Protection against hot piping.

Subpart J—Window Construction and Visibility

- 116.1010 Safety glazing materials.
- 116.1020 Strength.
- 116.1030 Operating station visibility.

Subpart K—Drainage and Watertight Integrity of Weather Decks

- 116.1110 Drainage of flush deck vessels.

46 CFR Ch. I (10–1–08 Edition)

- 116.1120 Drainage of cockpit vessels, well deck vessels, and open boats.
- 116.1160 Watertight integrity.

Subpart L—Ballast Systems

- 116.1200 Ballast.

AUTHORITY: 46 U.S.C. 2103, 3306; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277, Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGD 85–080, 61 FR 900, Jan. 10, 1996, unless otherwise noted.

Subpart A—General Provisions

§ 116.100 General requirements.

(a) The construction and arrangement of a vessel must allow the safe operation of the vessel in accordance with the terms of its Certificate of Inspection giving consideration to provisions for a seaworthy hull, protection against fire, means of escape in case of a sudden unexpected casualty, guards and rails in hazardous places, ventilation of enclosed spaces, and necessary facilities for passengers and crew.

(b) Vessels to which this subchapter applies must meet the applicable provisions in subchapter S (Subdivision and Stability) of this chapter, except that the requirements in subpart K of this part may be met in lieu of the requirements of §§171.124 through 171.155 in subchapter S of this chapter.

§ 116.115 Applicability to existing vessels.

(a) Except as otherwise required by paragraph (b) of this section, an existing vessel must comply with the construction and arrangement regulations that were applicable to the vessel on March 10, 1996, or, as an alternative, the vessel may comply with the regulations in this part.

(b) Alterations or modifications made to the structure or arrangements of an existing vessel regulated by this part, that are a major conversion, on or after March 11, 1996, must comply with the regulations of this part. Repairs or maintenance conducted on an existing vessel, resulting in no significant changes to the original structure or arrangement of the vessel, must comply with the regulations applicable to the vessel on March 10, 1996, or, as an alternative, with the regulations in

this part. However, when outfit items such as furnishings and mattresses are renewed, they must comply with the regulations in this part.

Subpart B—Plans

§ 116.202 Plans and information required.

(a) Except as provided in § 116.210 of this part, the owner of a vessel requesting initial inspection for certification must, prior to the start of construction, submit for approval three copies of the following plans. The plans may be delivered by visitors to Commanding Officer, U.S. Coast Guard Marine Safety Center, 1900 Half Street, SW, Suite 1000, Room 525, Washington, DC 20024, or transmitted by mail to: Commanding Officer, U.S. Coast Guard Marine Safety Center, JR10-0525, 2100 2nd Street, SW., Washington, DC 20593, in a written or electronic format. Information for submitting the VSP electronically can be found at <http://www.uscg.mil/HQ/MSc>.

- (1) Outboard profile;
- (2) Inboard profile; and
- (3) Arrangement of decks.

(b) In addition, the owner shall, prior to receiving a Certificate of Inspection, submit for approval to the Marine Safety Center, three copies of the following plans, manuals, analyses, and calculations that are applicable to the vessel as determined by the Commanding Officer, Marine Safety Center:

- (1) Midship section;
- (2) Structural fire protection details;
- (3) Fire load calculations of accommodations and service spaces, if required in § 116.427 of this part;
- (4) Emergency evacuation plan required in § 116.520, of this part with drawings showing embarkation stations, areas of refuge, and escape routes;
- (5) Machinery installation, including but not limited to:
 - (i) Propulsion and propulsion control, including shaft details;
 - (ii) Steering and steering control, including rudder details;
 - (iii) Ventilation diagrams; and
 - (iv) Engine exhaust diagram;
- (6) Electrical installation including, but not limited to:

- (i) Elementary one-line diagram of the power system;
- (ii) Cable lists;
- (iii) Bills of materials;
- (iv) Type and size of generators and prime movers;
- (v) Type and size of generator cables, bus-tie cables, feeders, and branch circuit cables;
- (vi) Power, lighting, and interior communication panelboards with number of circuits and rating of energy consuming devices;
- (vii) Type and capacity of storage batteries;
- (viii) Rating of circuit breakers and switches, interrupting capacity of circuit breakers, and rating and setting of overcurrent devices;
- (ix) Electrical plant load analysis; and
- (x) For a vessel of more than 19.8 meters (65 feet) in length with overnight accommodations for more than 49 passengers, an overcurrent protective device coordination analysis if the information required by paragraph (a)(8)(i) through (a)(8)(ix) of this section is not considered adequate by the Commanding Officer, Marine Safety Center to review the electrical system of the vessel;
- (7) Lifesaving equipment locations and installation;
- (8) Fire protection equipment installation including, but not limited to:
 - (i) Fire main system plans and calculations;
 - (ii) Fixed gas fire extinguishing system plans and calculations;
 - (iii) Fire detecting system and smoke detecting system plans;
 - (iv) Sprinkler system diagram and calculations; and
 - (v) Portable fire extinguisher types, sizes and locations;
- (9) Fuel tanks;
- (10) Piping systems including: bilge, ballast, hydraulic, sanitary, compressed air, combustible and flammable liquids, vents, soundings, and overflows;
- (11) Hull penetrations and shell connections;
- (12) Marine sanitation device model number, approval number, connecting wiring and piping;